

ABSTRACT OF THE DISCLOSURE

A wire for a liquid crystal display has a dual-layered structure comprising a first layer made of molybdenum or molybdenum alloy, and a second layer made of molybdenum nitride or molybdenum alloy nitride. To manufacture the wire, a layer made of either a molybdenum or a molybdenum alloy, and another layer one of either a molybdenum nitride or molybdenum alloy nitride by using reactive sputtering method are deposited in sequence, and then patterned simultaneously. The target for reactive sputtering is made of either molybdenum or molybdenum alloy, and the molybdenum alloy comprises one selected from the group consisting of tungsten, chromium, zirconium, and nickel of the content ratio of 0.1 to less than 20 atm % of. The reactive gas mixture for reactive sputtering includes an argon gas and inflow amount of the nitrogen gas is at least 50% of argon gas, to minimize the etch rate of the molybdenum nitride layer or the molybdenum alloy nitride layer for ITO etchant.